

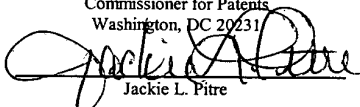


PATENT
TH1993

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 09/841,129
Filing Date: April 24, 2001
Inventors: Wellington et al.
Title: IN SITU THERMAL
PROCESSING OF A COAL
FORMATION PRODUCING
A MIXTURE WITH
OXYGENATED
HYDROCARBONS

§ Examiner: unknown
§ Group/Art Unit: 3672
§ Atty. Dkt. No: 5659-06800/EBM
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CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8 DATE OF DEPOSIT: <u>2-25-02</u> I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail on the date indicated above and is addressed to: Commissioner for Patents Washington, DC 20231  Jackie L. Pitre

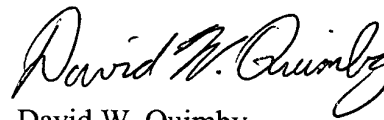
REQUEST FOR APPROVAL OF DRAWING CHANGES

Commissioner for Patents
Washington, D.C. 20231

Sir/Madam:

Pursuant to 37 C.F.R. §1.121(d), Applicant respectfully requests that the changes shown in red to the enclosed 7 sheets of drawings (Figs. 23a, 23b, 32, 44, 54, 55, 59, 60, and 63) be approved by the Examiner and accepted in the above-identified application.

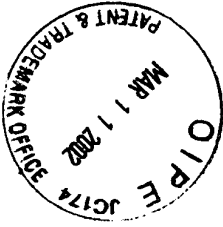
Respectfully submitted,


David W. Quimby
Reg. No. 39,338

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Date: Feb. 25, 2002

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COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231

INVENTORS: Wellington et al.
ASSIGNEE: Shell Oil Company
SERIAL NO.: 09/841,129
FILING DATE: April 24, 2001
TITLE: IN SITU THERMAL PROCESSING OF A COAL FORMATION
PRODUCING A MIXTURE WITH OXYGENATED HYDROCARBONS
ATTY DOCKET: 5659-06800/EBM (TH1993)

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The date stamp of the mail room of the U.S. Patent and Trademark Office hereon will acknowledge receipt of the attached: (1) Second Preliminary Amendment (14 pages); (2) Marked Up Version of Amendments Submitted with Second Preliminary Amendment (11 pages); (3) Request for Approval of Drawing Changes (1 page); (4) marked up Figures (7 sheets); and (5) A return postcard.

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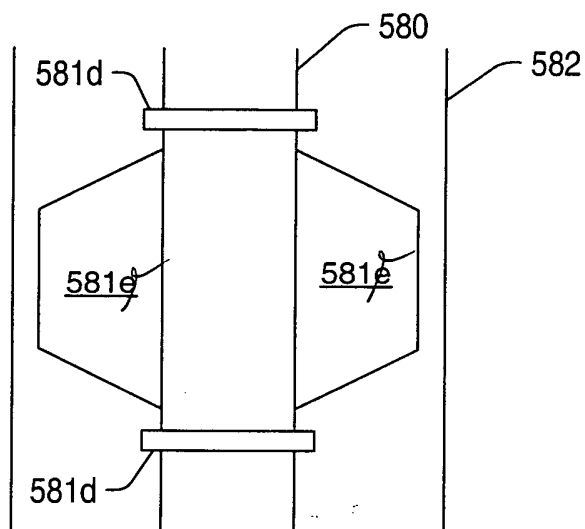


FIG. 23a

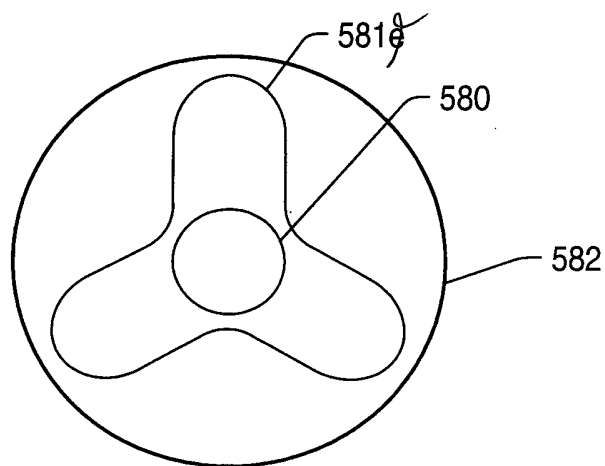


FIG. 23b

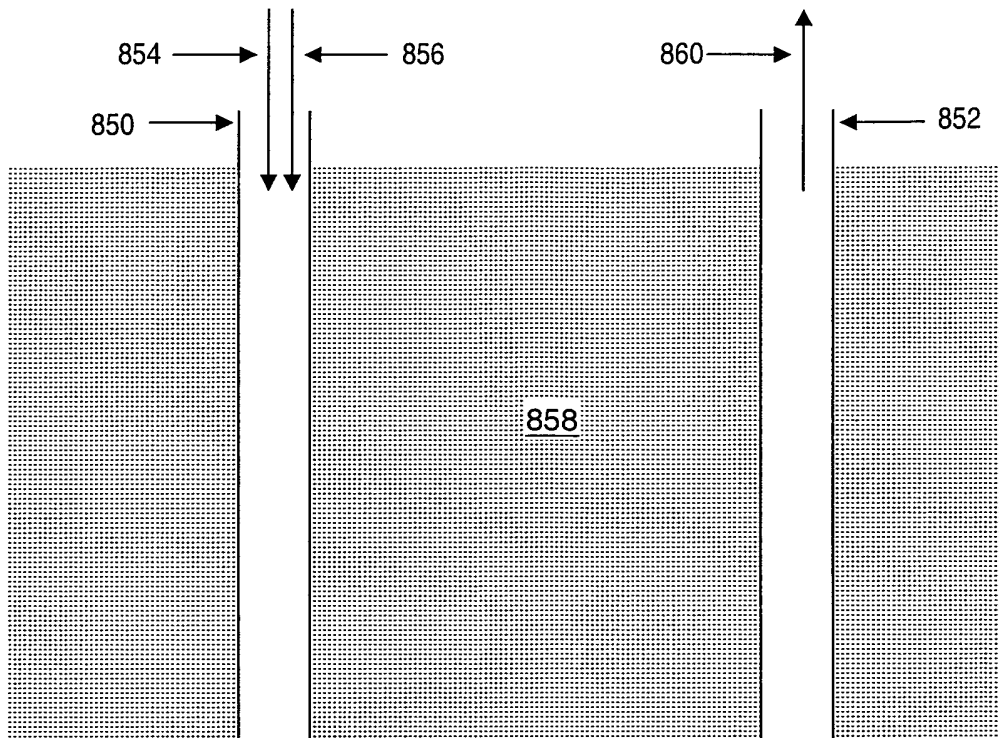


FIG. 31

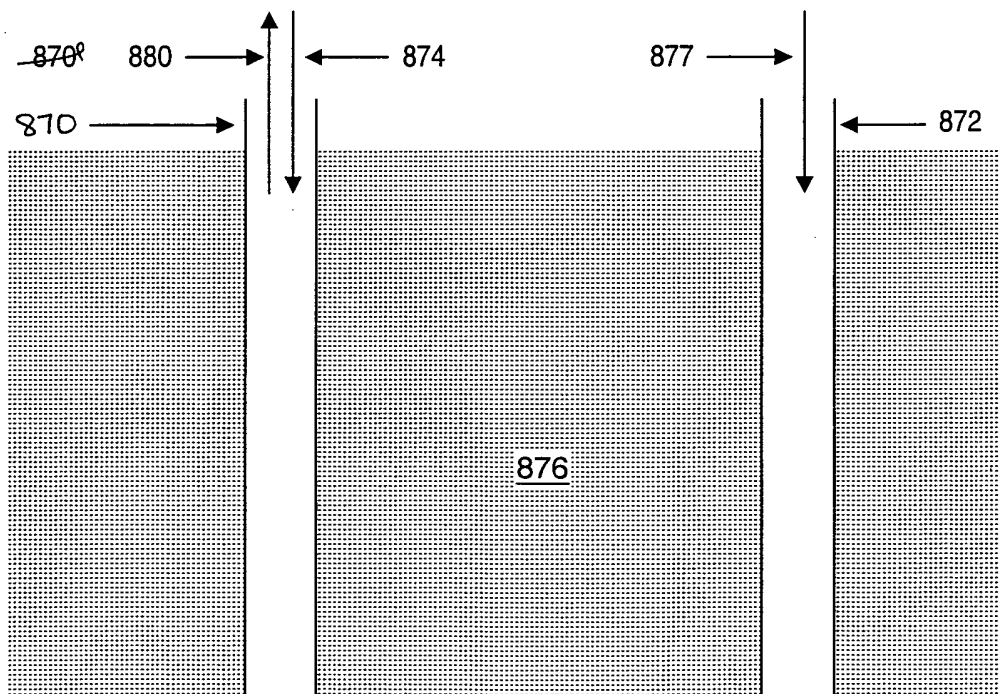


FIG. 32

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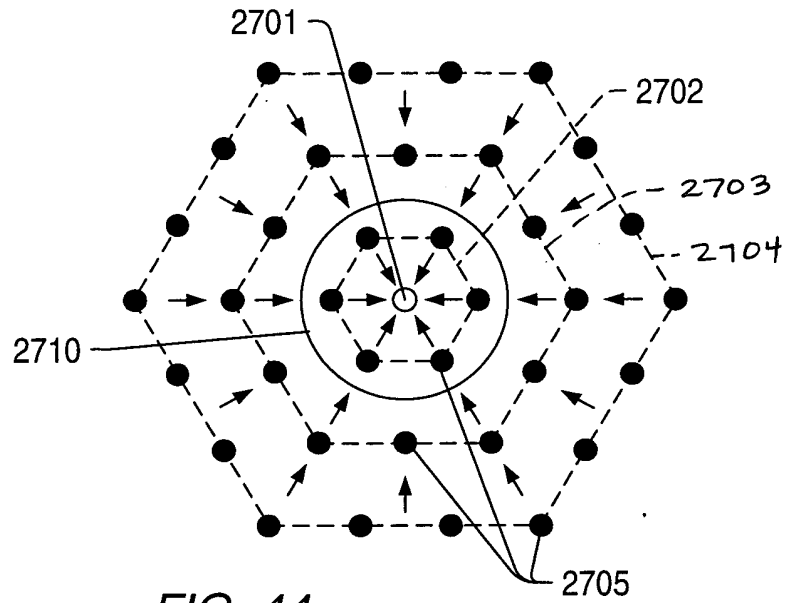


FIG. 44

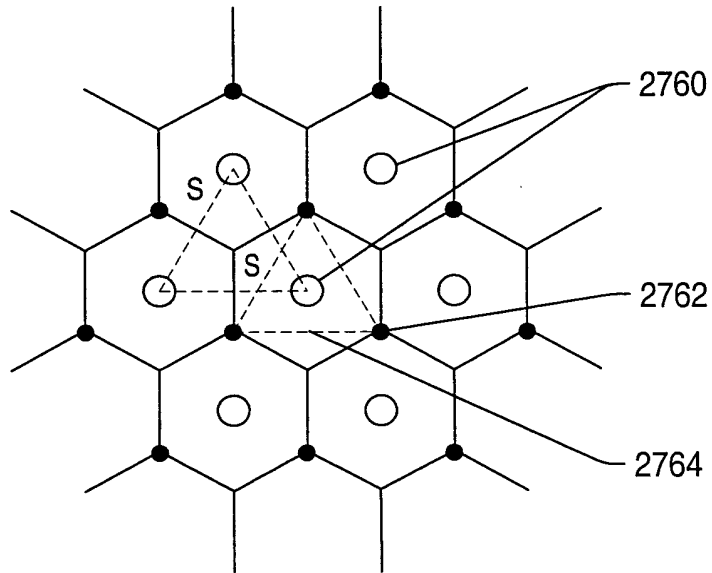


FIG. 53

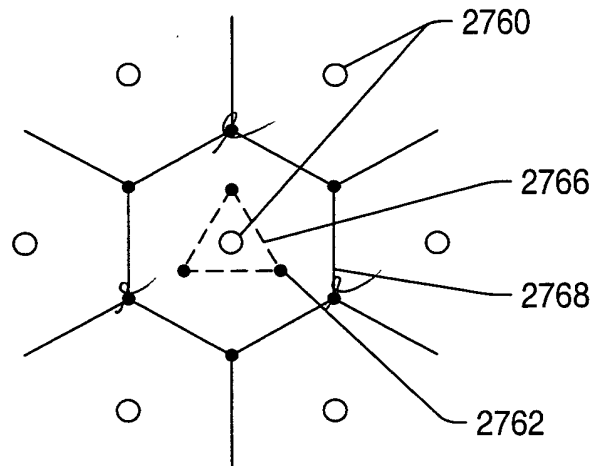
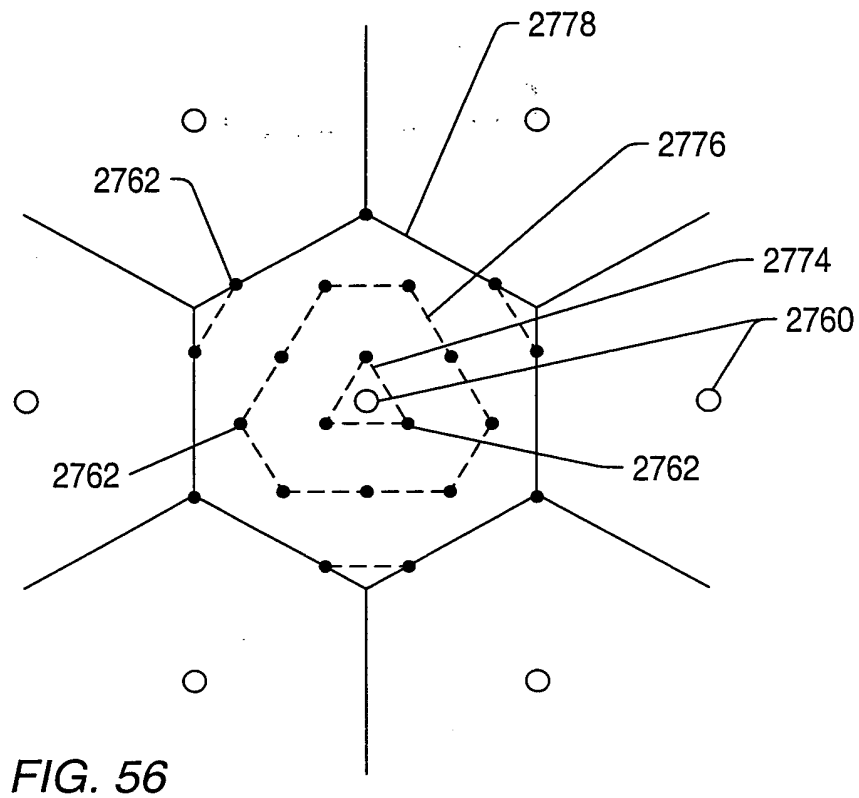
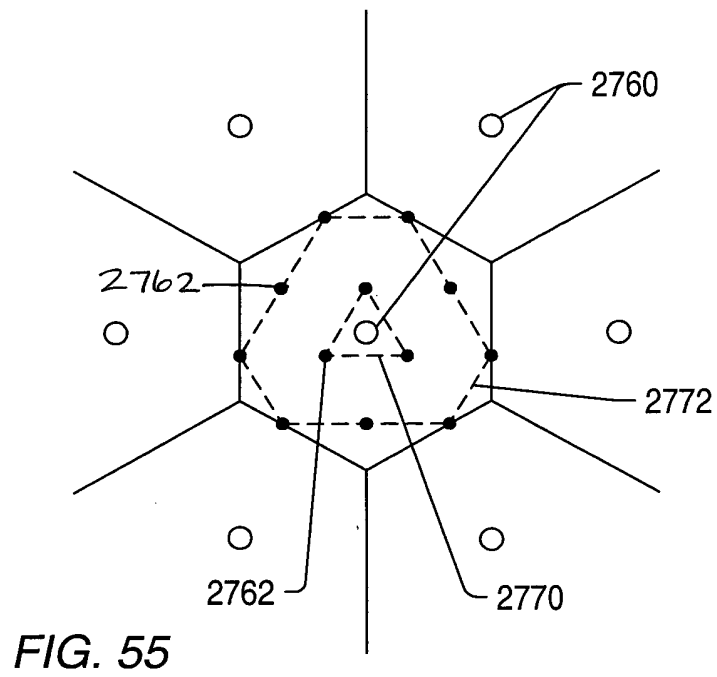
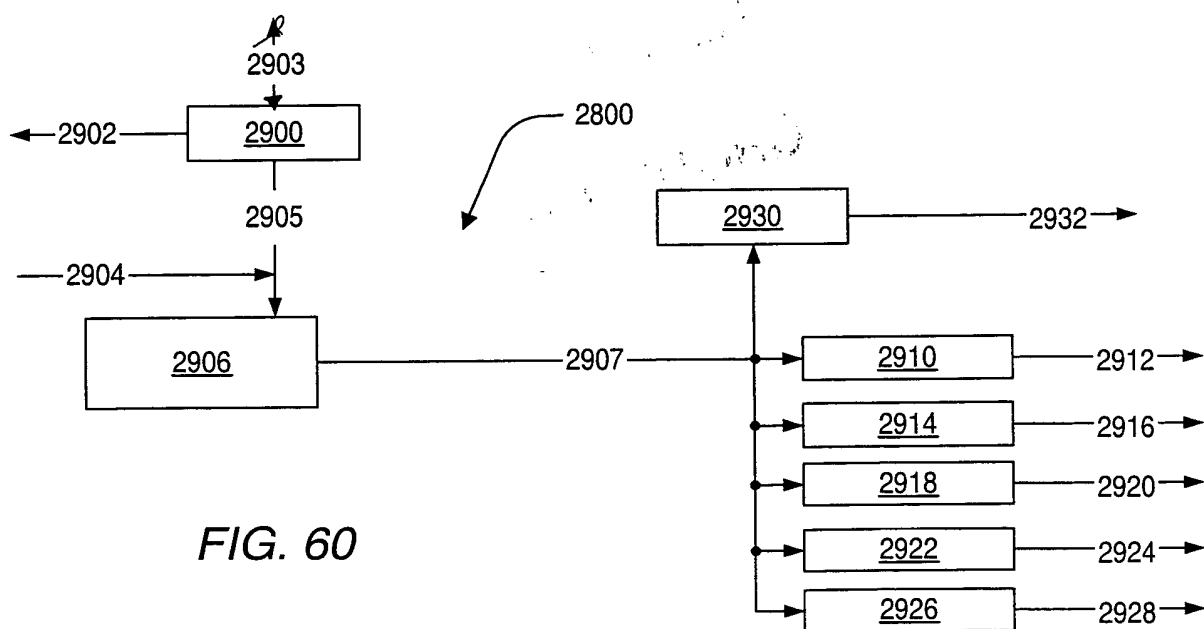
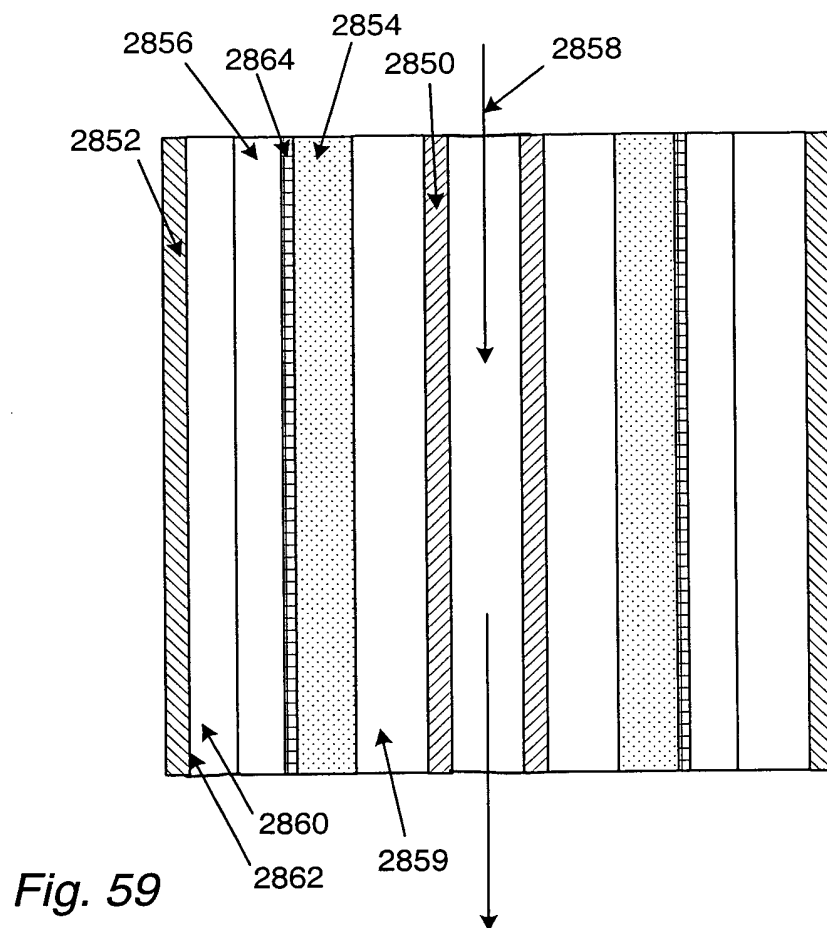


FIG. 54





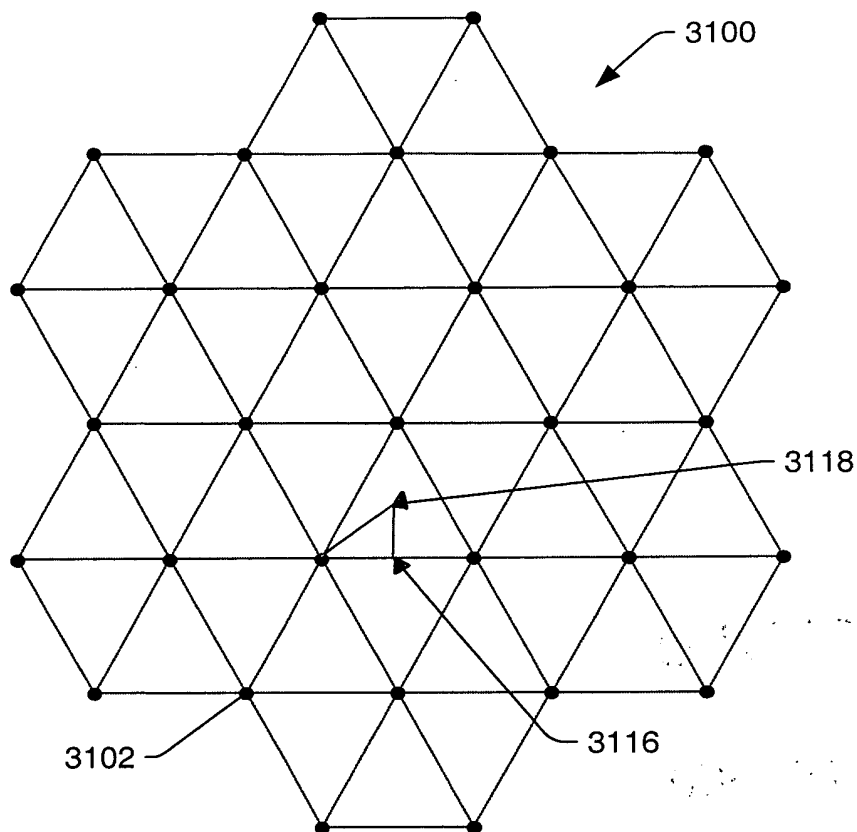


FIG. 63

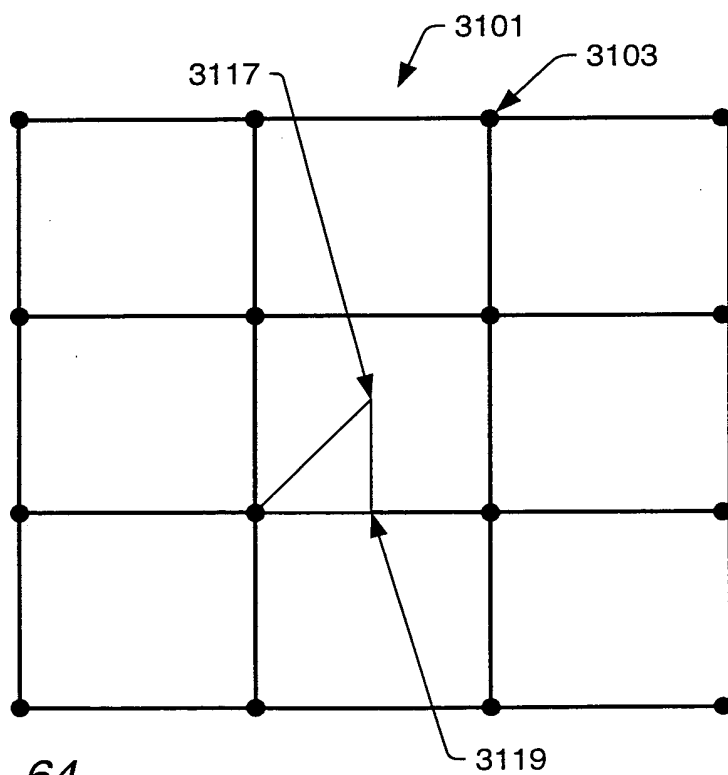


FIG. 64